

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

U.S. STEEL, FAIRFIELD WORKS,
Q-BOP FURNACES
Birmingham Industrial District
N. of Valley Rd. W. of Ensley,
Pleasant Grove Rd.
Fairfield
Jefferson County
Alabama

HAER No. AL-37-B

HAER
ALA
37-FAIRF
3B-

INDEX TO BLACK AND WHITE PHOTOGRAPHS

NOTE: Photographs were taken by Jet Lowe, Fall 1993.

AL-37-B-1	INTERIOR VIEW WITH TORPEDO LADLE TRANSFER TO MIXER
AL-37-B-2	INTERIOR VIEW WITH MIXER TO LADLE TRANSFER. CRANE OPERATOR, M.L. BROWN; SWITCHER, BILL CLARK; DESULPHUR OPERATORS, CHARLIE WILLIAMS AND TIM BUSH
AL-37-B-3	INTERIOR VIEW WITH MIXER TO LADLE TRANSFER. LADLE HOLD 90-TONS OF MOLTEN IRON.
AL-37-B-4	INTERIOR VIEW WITH MIXER TO LADLE TRANSFER. LADLE HOLDS 90 TONS OF MOLTEN IRON.
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AL-37-B-9	INTERIOR VIEW WITH SCRAP HAULER DUMPING SCRAP INTO Q-BOP FURNACE. SCRAP HAULER IS GREGORY JACKS. FURNACEMAN IS VINCENT MOREL.
AL-37-B-10	INTERIOR VIEW WITH SCRAP HAULER DUMPING SCRAP INTO Q-BOP FURNACE. SCRAP HAULER IS GREGORY JACKS. FURNACEMAN IS VINCENT MOREL.
AL-37-B-11	INTERIOR VIEW WITH LADLE POURING MOLTEN IRON INTO Q-BOP FURNACE.

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AL-37-B-12 INTERIOR VIEW SHOWING Q-BOP FURNACE IN BLOW.
OXYGEN AND NATURAL GAS ARE BLOWN INTO THE FURNACE
THROUGH THE TUYERES TO CHARGE 460,000 LBS. OF HOT
METAL, 100,000LBS. OF SCRAP WITH 30,000 LBS. OF
LIME. BLOW TIME IS 16 MINUTES. THE TIME TO BLOW
AND TAP THE FURNACES OF THE RESULTING 205,000 TONS
OF STEEL AND SLAG IS 35 MINUTES.

AL-37-B-13 INTERIOR VIEW SHOWING Q-BOTTOM FURNACE BOTTOM
BEING WELDED.

INDEX TO COLOR TRANSPARENCIES

All color xerographic copies were made from a duplicate color
transparency.

NOTE: Photographs were taken by Jet Lowe, Fall 1993.

AL-37-B-14 (CT) INTERIOR VIEW WITH MIXER TO LADLE TRANSFER.
CRANE OPERATOR, M.L. BROWN; SWITCHER, BILL
CLARK; DESULPHUR OPERATORS, CHARLIE WILLIAMS
AND TIM BUSH.

AL-37-B-15 (CT) INTERIOR VIEW WITH MIXER TO LADLE TRANSFER.
CRANE OPERATOR, M.L. BROWN; SWITCHER, BILL
CLARK; DESULPHUR OPERATORS, CHARLIE WILLIAMS
AND TIM BUSH